

ABSTRACT

"Pumping Device for Transferring at least a Fluid into a Consumable".

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5 This invention concerns a pumping device (1) for transferring
a fluid sample (2) within a sealed consumable (3), the transfer
being performed between at least one first compartment, said to be
initial (4), and at least one second compartment, said to be
receiving (5), via a narrower section such as a transfer channel
10 (6).

15 It consists in that the point of intersection between an
initial compartment (4) and the narrower section is located in the
lower part, preferably at the lowermost point of this initial
compartment (4), and that the point of intersection between a
receiving compartment (5) and said narrower section is located in
the upper part, preferably at the uppermost point of this initial
compartment (5), and that at least one of the initial and/or
receiving compartments (4 and/or 5) can be deformed in such a way
that each deformation induces transfer of all or part of the sample
20 (2).

The invention is particularly applicable for the micromanipulation of fluids in biological applications.

Figure 1